



JN3027/400/24

MULTISYSTEM AUXILIARY CONVERTER
OF MODULAR CONCEPTION



Efficiency > 90%



Total power of converter max. 100 kVA



Modular system

The auxiliary converter JN 3027/400/24 represents device of new generation. Innovation consist of unified control circuits with powerful digital signal processors, new software and diagnostic. The converter is designed for higher output power and mainly intended for international operation on the European railways.

Total power of auxiliary converter is up to 100 kVA and therefore converter is suitable for coaches, which have higher demand for energy, for example dining cars. Technical parameters presented below shows example of real application. Parameters of all power modules can be easy adapted to needs of each customer. Converter has modular design and required outputs are realised by installing of suitable power modules according power requirements.

Charger 24 V (output DC1):

Nominal output voltage	28,2 V DC
Adjustable output voltage	24 V ÷ 30 VDC
Max. output charging current for batteries	180 A
Nominal output current	300 A
Nominal power	8,4 kW
Maximum power	9 kW

1 f inverter 230 V AC 50 Hz (output AC3 and AC4):

Nominal output voltage	230 V
Nominal output power	2 kVA/2kW/cos φ=0,6 – 1
Nominal output current	8,7 A
Frequency of output voltage	50 Hz
Supply voltage (mode of battery power)	24 V DC, +25%, -30%
Supply voltage (mode of DC link)	680 V DC
Galvanic isolation of output from battery	yes
Other data:	
Covering	IP 55
Cooling	forced, air
Dimensions (w x h x d)	2610 x 575 x 1960 mm
Weight	1515 kg